6S4A

Medium-Mu Triode

9-PIN MINIATURE TYPE

With Heater Having Controlled Warm-Up Time

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:		
Voltage (AC or DC)	6.3	volts
Current	0.6 ± 6%	amp
Warm-up time (Average)	11	sec
Direct Interelectrode Capacitances (Approx.):[a] ←		
Grid to plate	2.4	μμf
Grid to cathode and heater	4.2	μμf
Plate to cathode and heater	0.6	μμf

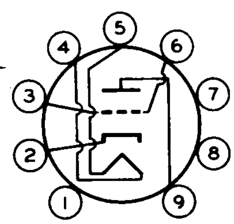
Characteristics, Class A_1 Amplifier: ←

Plate Voltage	250	volts
Grid Voltage	-8	volts
Amplification Factor	16.5	
Plate Resistance (Approx.)	3700	ohms
Transconductance	4500	μmhos
Plate Current	24	ma
Plate Current for grid volts = -15	4	ma
Grid Voltage (Approx.) for plate μa = 50	-22	volts

Mechanical:

Operating Position	Any
Maximum Overall Length	2-5/8"
Maximum Seated Length	2-3/8"
Length, Base Seat to Bulb Top (Excluding tip)	2" ± 3/32"
Diameter	0.750" to 0.875"
Dimensional Outline	See *General Section*
Bulb	T6-1/2
Base	Small-Button Noval 9-Pin (JEDEC No.E9-1)
Basing Designation for BOTTOM VIEW	9AC

Pin 1 - Internal Connection— Do Not Use
Pin 2 - Cathode
Pin 3 - Grid
Pin 4 - Heater



Pin 5 - Heater
Pin 6 - Grid
Pin 7 - Same as Pin 1
Pin 8 - Same as Pin 1
Pin 9 - Plate

VERTICAL-DEFLECTION AMPLIFIER ←

Maximum Ratings, ***Design-Maximum Values:***

For operation in a 525-line, 30-frame system[b]

DC PLATE VOLTAGE	550	max.	volts
PEAK POSITIVE-PULSE PLATE VOLTAGE[c]	2200	max.	volts
PEAK NEGATIVE-PULSE GRID VOLTAGE	250	max.	volts

← Indicates a change.

CATHODE CURRENT:			
Peak	105	max.	ma
Average	30	max.	ma
PLATE DISSIPATION	8.5	max.	watts
PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode.	200	max.	volts
Heater positive with respect to cathode.	200[d]	max.	volts

Maximum Circuit Values:

Grid-Circuit Resistance:			
For cathode-bias operation	2.2	max.	megohms

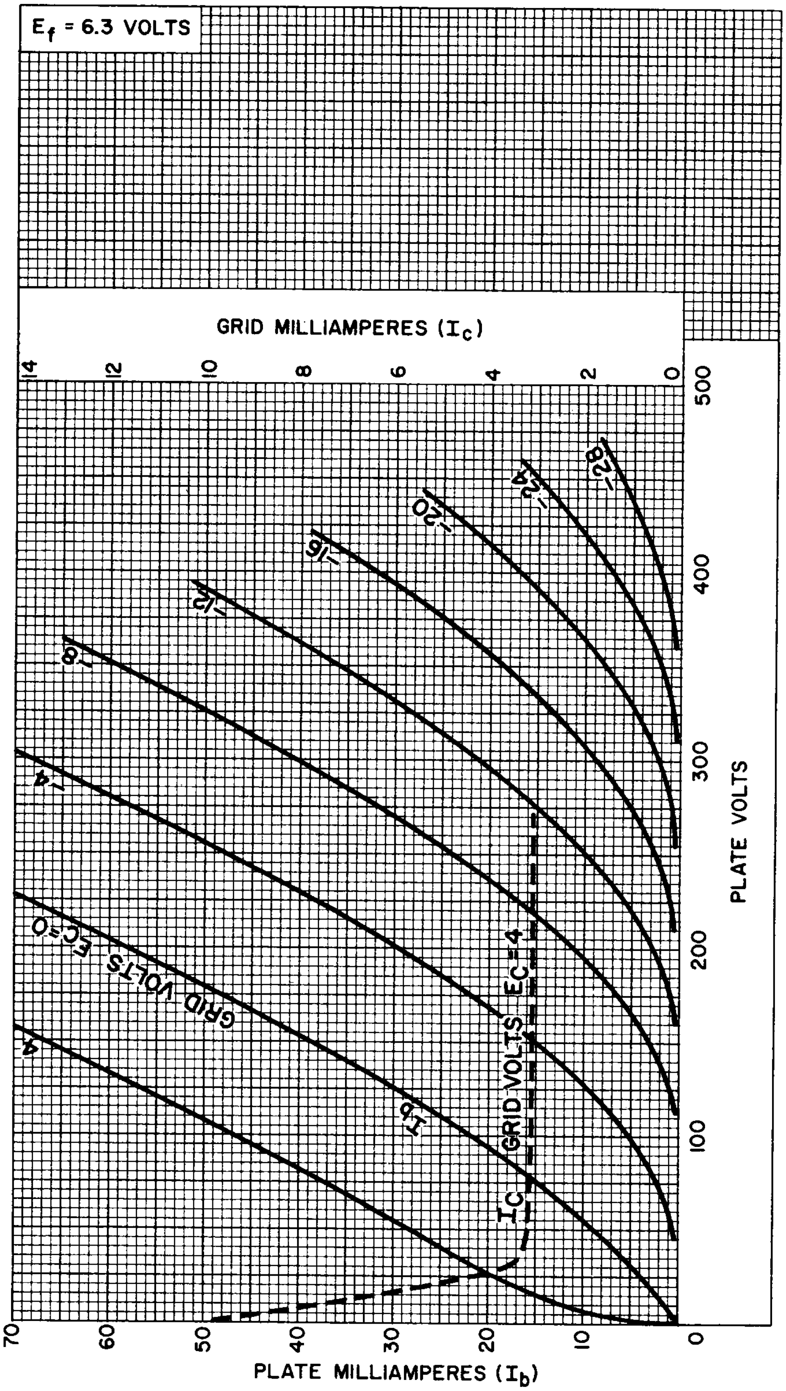
[a] Without external shield.

[b] As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.

[c] This rating is applicable where the duration of the voltage pulse does not exceed 15 per cent of one vertical scanning cycle. In a 525-line, 30-frame system, 15 per cent of one vertical scanning cycle is 2.5 milliseconds.

[d] The dc component must not exceed 100 volts.

AVERAGE CHARACTERISTICS



92CM-7373RI